

Safety Data Sheet

Quartz sand

Replaces date: 05-11-2015

Revision date: 24-10-2016

SECTION 1: Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Trade name: Quartz sand

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended uses: Sand

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Dansk Kvarts Industri A/S,

Address: Lervejdal 14 D

Zip code: DK-8740 Brædstrup

Country: DENMARK

1.4. Emergency Telephone Number

0870 600 6266 (UK only) Only available to health professionals.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.

Most serious harmful effects: May cause slight irritation to the skin and eyes.

2.2. Label elements

Supplemental information

The product shall not be classified as hazardous according to the classification and labelling rules for substances and mixtures.

2.3. Other hazards

The product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance	CAS number	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
Quartz (SiO ₂)	14808-60-7			100 %		

Please see section 16 for the full text of H-phrases.

Ingredient comments: Contains: < 0,01 % respirable dust.

Safety Data Sheet

Quartz sand

Replaces date: 05-11-2015

Revision date: 24-10-2016

SECTION 4: First aid measures

4.1. Description of first aid measures

- Inhalation:** Seek fresh air, wash out mouth with water and blow nose thoroughly. Seek medical advice in case of persistent discomfort.
- Ingestion:** Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
- Skin contact:** Remove contaminated clothing. Wash the skin with water. Seek medical advice in case of persistent discomfort.
- Eye contact:** Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
- General:** When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed

May cause slight irritation to the skin and eyes.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms. No special immediate treatment required.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: The product is not directly flammable. Choose extinguishing agents based on the surrounding fire.

5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes - seek fresh air.

5.3. Advice for fire-fighters

Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Wear safety goggles if there is a risk of dust contact with eyes. Wear gloves. In case of insufficient ventilation, wear respiratory protective equipment.

For emergency responders: In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Sweep up/collect spills for possible reuse or transfer to suitable waste containers. Wipe up minor spills with a damp cloth.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

Safety Data Sheet

Quartz sand

Replaces date: 05-11-2015

Revision date: 24-10-2016

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Work processes where generation of dust may occur must be performed under effective process ventilation (e.g. local exhaust ventilation). Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m ³	Comment	Remarks
Quartz (SiO ₂)	8h		0.1	respirable crystalline	
Quartz (SiO ₂)	15m			respirable crystalline	

Legal basis: EH40/2005 Workplace exposure limits. Last amended December 2011. Commission Directive 2000/39/EC (Occupational Exposure Limits). Last amended by Commission Directive 2009/161/EU.

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eyeface protection: Wear safety goggles if there is a risk of dust contact with eyes. Eye protection must conform to EN 166.

Personal protective equipment, hand protection: Plastic or rubber gloves recommended.

Personal protective equipment, respiratory protection: Wear respiratory protective equipment with P2 filter when performing dusty work. Respiratory protection must conform to one of the following standards: EN 136/140/145.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Sand
Colour	N/A
Odour	Odourless
Solubility	Not applicable.
Explosive properties	Non-explosive
Oxidising properties	Non-oxidising.

Safety Data Sheet

Quartz sand

Replaces date: 05-11-2015

Revision date: 24-10-2016

Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flash Point	No data	
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Vapour pressure	No data	
Vapour density	No data	
Relative density	No data	
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

9.2 Other information

Other Information: None.

SECTION 10: Stability and reactivity

10.1. Reactivity

No known data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None, if stored at the recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral: Ingestion may cause discomfort. The product does not have to be classified. Test data are not available.

Safety Data Sheet

Quartz sand

Replaces date: 05-11-2015

Revision date: 24-10-2016

Acute toxicity - dermal:	The product does not have to be classified. Test data are not available.
Acute toxicity - inhalation:	The product does not have to be classified. Test data are not available.
Skin corrosion/irritation:	May cause slight irritation. The product does not have to be classified. Test data are not available.
Serious eye damage/eye irritation:	Temporary irritation. The product does not have to be classified. Test data are not available.
Respiratory sensitisation or skin sensitisation:	The product does not have to be classified. Test data are not available.
Germ cell mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Single STOT exposure:	Inhalation of dust may cause irritation to the upper airways. The product does not have to be classified. Test data are not available.
Repeated STOT exposure:	The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Test data are not available.
Other toxicological effects:	None known.

SECTION 12: Ecological information

12.1. Toxicity

The product does not have to be classified. Test data are not available.

12.2. Persistence and degradability

Test data are not available.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

Safety Data Sheet

Quartz sand

Replaces date: 05-11-2015

Revision date: 24-10-2016

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid discharge to drain or surface water. Contact the local authorities. Empty, cleansed packaging should be disposed of for recycling. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

Category of waste: EWC code: Depends on line of business and use, for instance 12 01 17 waste blasting material other than those mentioned in 12 01 16

Absorbent/cloth contaminated with the product: EWC code: 15 02 03 Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02.

SECTION 14: Transport information

14.1. UN-No.: Not applicable.

14.4. Packing group: Not applicable.

14.2. UN proper shipping name: Not applicable.

14.5. Environmental hazards: Not applicable.

14.3. Transport hazard class(es): Not applicable.

14.6. Special precautions for user

None.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Special Provisions: None.

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
1.0.0	05-11-2015	Sidsel Rue	New datasheet
1.1.0	24-10-2016	Sidsel Rue	pkt 16

Abbreviations: PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative
STOT: Specific Target Organ Toxicity

References to literature and data sources: Datasheet from supplier (02.02.2015)

Other Information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as



Safety Data Sheet

Quartz sand

Replaces date: 05-11-2015

Revision date: 24-10-2016

subsequently changed.

Training advice: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method: Calculation based on the hazards of the known components.

Quality assurance of SDS: Bureau Veritas HSE Danmark /HKN

SDS is prepared by

Company: Bureau Veritas HSE Denmark A/S

Address: Birkemosevej 7

Zip code: 6000 Kolding

Country: DENMARK

E-mail: infohse@dk.bureauveritas.com

Phone: +45 75 50 88 11

Fax: +45 75 50 88 10

Homepage: <http://www.hse.bureauveritas.dk>

Document language: GB